Flow meter

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Abstract of **US6089264**

A flow meter, such as is used in warm water heating systems, has a measuring element (2) with a flow-responsive element and a display element (3) with a transparent inspection glass or tube (10) with a bore in which an an end of an indicator rod (6) moves. The indicator rod is part of, or is coupled to, the flow-responsive element and it has a pointer (8) near the end inside the inspection tube. The inspection tube preferably has no markings: instead, around the inspection tube is a scale support (16) with scale markings calibrated to the positions of the pointer (8) to show the amount of flow. The scale support is essentially sleeves-shaped, with a lateral cutout (18) which permits the user to view the pointer inside the inspection tube. The scale markings may be on cut surfaces (20) adjoining the lateral cutout. In one embodiment the scale support is rotatable about the inspection tube for adjusting the viewing angle, so that it is not necessary to take the rotational position of the inspection tube into consideration when the flow meter is installed. In an alternative embodiment the inspection tube is combined with a valve for adjusting the measured flow.